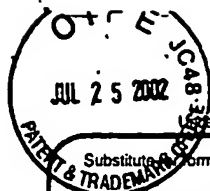


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**INFORMATION DISCLOSURE
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Sheet 1 of 5

Complete if Known

Application Number	09/831,958
Filing Date	November 17, 1999
First Named Inventor	Phillips, Donald A.
Art Unit	1651
Examiner Name	L. Blaine Lankford
Attorney Docket Number	02307Z-090130US

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U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WJ	A	4,436,547	03/13/1984	Sampson, et al.	
	B	4,704,161	11/03/1987	White, et al.	
	C	4,789,436	12/06/1988	Greenbaum E.	
	D	5,116,406	05/26/1992	Hyeon	
	E	5,298,483	03/29/1994	Yokoyama et al.	
	F	5,403,583	04/04/1995	Liu et al	
	G	5,415,672	05/16/1995	Fahey et al.	
	H	5,597,400	01/28/1997	Nonomura, et al.	
	I	5,797,976	08/25/1998	Yamashita	
	J	5,919,448	07/06/1999	Maekawa et al.	
	K	5,925,538	07/20/1999	Perkins et al.	
	L	5,932,701	08/03/1999	Black et al.	
	M	5,935,571	08/10/1999	Aino et al.	
	N	5,958,104	09/28/1999	Nonomura et al.	

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FOREIGN PATENT DOCUMENTS

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WJ	O	JP	01086822		03/31/89			
	P	JP	03109304		05/09/91			
	Q	JP	04166017		06/11/92			
	R	JP	08143406		11/16/94			
	S	JP	60115501		06/22/85			
	T	WO	96/21737	A1	07/18/96			
	U	WO	97/01572	A1	01/16/97			

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WJ	V	BAREA et al., "Impact on Arbuscular Mycorrhiza Formation of <i>Pseudomonas</i> Strains Used as Inoculants for Biocontrol of Soil-Borne Fungal Plant Pathogens"; <i>Applied and Environmental Microbiology</i> , 64(6):2304-2307 (1998)	

Examiner
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L. Blaine Lankford

Date
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2/28/05

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INFORMATION DISCLOSURE
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Sheet 2 of 5

Complete If Known

Application Number 09/831,958
Filing Date November 17, 1999
First Named Inventor Phillips, Donald A.
Art Unit 1651
Examiner Name L. Blaine Lankford
Attorney Docket Number 02307Z-090130US

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W		BOADBENT et al., "C-Acetylphloroglucinols From <i>Pseudomonas Fluorescens</i> "; <i>Phytochemistry</i> , 15:1785 (1976)	
X		BRIMECOMBE et al., "Effect of genetically modified <i>Pseudomonas fluorescens</i> strains on the uptake of nitrogen by pea from ¹⁵ N enriched organic residues"; <i>Letters in Applied Microbiology</i> , 26:155-160 (1998)	
Y		BROWN, M.E., "Plant Growth Substances Produced by Micro-organisms of Soil and Rhizosphere"; <i>J. Appl. Bact.</i> , 35:443-451 (1972)	
Z		COQUARD et al., "Molecular cloning and characterisation of the <i>ribC</i> gene from <i>Bacillus subtilis</i> : a point mutation in <i>ribC</i> results in riboflavin overproduction"; <i>Mol. Gen. Genet.</i> , 254:81-84 (1997)	
AA		DECKERT, Gerard et al., "The complete genome of the hyperthermophilic bacterium <i>Aquifex aeolicus</i> "; <i>Nature</i> , 392:353-358 (March 1998)	
AB		DEJONG, Ted M. et al., "Nitrogen Stress and Apparent Photosynthesis in Symbiotically Grown <i>Pisum sativum</i> L."; <i>Plant Physiol</i> , 68:309-313 (1981)	
AC		EBERHARDT et al., "Cloning, sequencing, mapping and hyperexpression of the <i>ribC</i> gene coding for riboflavin synthase of <i>Escherichia coli</i> "; <i>Eur. J. Biochem.</i> , 242:712-719 (1996)	
AD		FENTON et al., "Exploitation of Gene(s) Involved in 2,4-Diacetylphloroglucinol Biosynthesis to Confer a New Biocontrol Capability to a <i>Pseudomonas</i> Strain"; <i>Applied and Environmental Microbiology</i> , 58(12):3873-3878 (Dec. 1992)	
AE		FLEISCHMANN et al., "Whole-Genome Random Sequencing and Assembly of <i>Haemophilus influenzae</i> Rd"; <i>Science</i> , 269:496-498 (July 1995)	
AF		GENDY et al., "The response of growth, nodulation, and yield of soybean plants treated with riboflavin and nicotinic acid"; <i>Beitr.trop.Landwirtsch.Vet.med.</i> , 30 H.3:271-281 (1992)	
AG		GRANT, R. and GRANT, C. Eds., <i>Grant & Hackh's Chemical Dictionary</i> , Fifth Edition (1987)	
AH		GROCHOWSKA, "Chromatographic Degradation of Phloridzin"; <i>Plant Physiol.</i> , 41:432-436 (1966)	
AI		HANSEN, G. K., <i>Physiol. Plant</i> , 39(4):275-279 (1977)	

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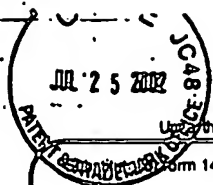
Examiner Signature	LANKFORD	Date Considered	2/24/5
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/831,958
		Filing Date	Nov mb r 17, 1999
		First Named Inventor	Phillips, Donald A.
		Art Unit	1651
		Examiner Name	L. Blaine Lankford
		Attorney Docket Number	02307Z-090130US

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10/2	AJ	JONES, O.P., "Effect of phloridzin and phloroglucinol on apple shoots"; <i>Nature</i> , 262:592 (July 1976)	
	AK	KANEKO et al., "Sequence Analysis of the Genome of the Unicellular Cyanobacterium <i>Synechocystis</i> sp. Strain PCC6803. II. Sequence Determination of the Entire Genome and Assignment of Potential Protein-coding Regions"; <i>DNA Research</i> , 3:109-136 (1996)	
	AL	KEEL et al., "Pseudomonads as Antagonists of Plant Pathogens in the Rhizosphere: Role of the Antibiotic 2,4-Diacetylphloroglucinol in the Suppression of Black Root Rot of Tobacco"; <i>Symbiosis</i> , 9:327-341 (1990)	
	AM	LAPIDUS et al., "Sequencing and functional annotation of the <i>Bacillus subtilis</i> genes in the 200 kb rmb-dnaB region"; <i>Microbiology</i> , 143:3431-3441 (1997)	
	AN	LEE et al., "The <i>Lux</i> Genes in <i>Photobacterium leiognathi</i> are Closely Linked With Genes Corresponding in Sequence to Riboflavin Synthesis Genes"; 186(2): 690-697 (1992)	
	AO	LEE et al., "Riboflavin Synthesis Genes Are Linked with the <i>lux</i> Operon of <i>Photobacterium phosphoreum</i> "; <i>Journal of Bacteriology</i> , 176(7):2100-2104 (April 1994)	
	AP	LUGTENBERG et al., "Microbial stimulation of plant growth and protection from disease"; <i>Current Opinion in Biotechnology</i> , 2:457-464 (1991)	
	AQ	MARRÉ et al., "Azione Di Stimolo Della Florizina Sulla Fotosintesi E Sulla Fotolisi Da Parte Di Cloroplasti Isolati"; <i>Nuovo Giornale Botanico Italiano</i> , LXII:566, (1955)	
	AR	NASEBY et al., "Impact of wild-type and genetically modified <i>Pseudomonas fluorescens</i> on soil enzyme activities and microbial population structure in the rhizosphere of pea"; <i>Molecular Ecology</i> , 7:617-625 (1998)	
	AS	NELSON et al., "Evidence for lateral gene transfer between Archaea and Bacteria from genome sequence of <i>Thermotoga maritima</i> "; <i>Nature</i> , 399:323-329 (May 1999)	
	AT	OERTLI, J.J., "Exogenous application of vitamins as regulators for growth and development of plants - a review"; <i>Z. Pflanzenemahr. Bodenk.</i> , 150:375-391 (1987)	
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	AV	RAO et al., "Reversal of Chloramphenicol Inhibited Growth By Riboflavin in Green Gram (<i>Phaseolus Radiatus</i> L.)"; <i>Current Science</i> , 44(11):399-400 (June 1975)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4

of 5

Complete if Known

Application Number 09/831,958
Filing Date November 17, 1999
First Named Inventor Phillips, Donald A.
Art Unit 1651
Examiner Name L. Blaine Lankford
Attorney Docket Number 02307Z-090130US

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[Signature]	AW	RAO et al., "14C Incorporation in Chloramphenicol Inhibited Growth And Its Reversal By Riboflavin in Green Gram"; <i>Current Science</i> , 44(22):818 (1975)	
	AX	RAO, P. Gopala, "Influence of Riboflavin on Growth, Respiration, and Chlorophyll and Protein Contents in Green Gram (<i>Phaseolus Radiatus</i> Linn.)"; <i>Current Science</i> , 42(16):580-581 (August 1973)	
	AY	RYLE et al., "The Respiratory Costs of Nitrogen Fixation in Soyabean, Cowpea, and White Clover"; <i>Journal of Experimental Botany</i> , 30(114):145-153 (February 1979)	
	AZ	SCHOTT et al., "Riboflavin Synthases of <i>Bacillus subtilis</i> "; <i>The Journal of Biological Chemistry</i> , 265(8):4204-4209 (March 1990)	
	BA	SHANAHAN et al., "Isolation, trace enrichment and liquid chromatographic analysis of diacetylphloroglucinol in culture and soil samples using UV and amperometric detection"; <i>Journal of Chromatography</i> , 606:171-177 (1992)	
	BB	SHANAHAN et al., "Liquid chromatographic assay of microbially derived phloroglucinol antibiotics for establishing the biosynthetic route to production, and the factors affecting their regulation"; <i>Analytica Chimica Acta</i> , 272:271-277 (1993)	
	BC	SONG et al., "Purification of Phytochrome by Affi-Gel Blue Chromatography; an Effect of Lumichrome on Purified Phytochrome"; <i>Analytical Biochemistry</i> , 117:32-39 (1981)	
	BD	STREIT et al., "Biotin and Other Water-Soluble Vitamins Are Key Growth Factors for Alfalfa Root Colonization by <i>Rhizobium meliloti</i> 1021"; <i>Molecular Plant-Microbe Interactions</i> , 9(5):330-338 (1996)	
	BE	STRZELCZYK et al., "Synthesis of Auxins from Tryptophan and Tryptophan-precursors by Fungi Isolated from Mycorrhizae of Pine (<i>Pinus silvestris</i> L.)"; <i>ACTA Microbiologica Polonica</i> , 26(3):255-264 (1977)	
	BF	TAURA et al., "Insertional disruption of the <i>nusB</i> (<i>ssyB</i>) gene leads to cold-sensitive growth of <i>Escherichia coli</i> and suppression of the <i>secY24</i> mutation"; <i>Mol. Gen. Genet.</i> , 234:429-432 (1992)	
[Signature]	BG	VOLPIN et al., "Respiratory Elicitors from <i>Rhizobium meliloti</i> Affect Intact Alfalfa Roots"; <i>Plant Physiol.</i> , 116:777-783 (1998)	
	BH	WEST et al., "Synthesis of Growth Factors by <i>Rhizobium trifolii</i> "; <i>Nature</i> , No. 3591, pp. 397-398 (August 1938)	

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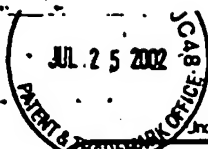
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Sheet **5** of **5**

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Art Unit	1651
Examiner Name	L. Blaine Lankford
Attorney Docket Number	023072-090130US

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UL	BI	YANAGITA et al., "A Bacterial Riboflavin Hydrolase"; <i>The Journal of Biological Chemistry</i> , 221(2): 593-607 (August 1956)	
↓	BJ	ZHANG et al., "Phosphoenolpyruvate Carboxylase Protein Kinase from Soybean Root Nodules: Partial Purification, Characterization, and Up/Down-Regulation by Photosynthate Supply from the Shoots"; <i>Archives of Biochemistry and Biophysics</i> , 343(2):260-268 (July 1997)	

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